

Intel® Pentium® III Processor/840 Development Kit

Product Highlights

Evaluation Board

- Dual Pentium® III processors in a FC-PGA package at 733 MHz with 256K on-die L2 cache
- Intel® 840 chipset consisting of MCH, ICH and P64H
- FWH with security
- On-board post code debugger (port 80)
- Memory includes 2 64-MB RDRAM RIMMs (total of 128MB, PC800 RDRAM upgradable to 2GB with 256M-bit technology)
- Supports ECC

Included Hardware

- 4.3 GB hard disk drive pre-loaded with a target copy of VenturCom*'s Windows NT* Embedded
- Thermal Solutions Attached
- PCI video graphics adapter using CHIPS* 69000 HiQVideo* Accelerator
- WTX power supply

Board Peripheral Features

- SMC* LPC Super I/O w/integrated keyboard controller and RTC
- Support for 4 IDE drives
- Support for 2 floppy drives
- Integrated AC '97 audio
- Integrated 82559ER ethernet controller
- ACPI 1.0 (S1, S3, & S5)
- APM 1.2 power management

User Accessible On-Board Connectors

- Two 64-bit/66 MHz PCI expansion slots
- Four 32-bit/33 MHz PCI expansion slots
- Two serial RS-232 ports; COM1, COM2
- Supports PS/2 keyboard and PS/2 mouse (6-pin mini-DIN)
- Standard WTX power supply connector
- 1.5v ITP Debugger connector
- One EPP/ECP parallel port (DSUB 25)
- 2 USB ports
- Game port
- Midi port
- AGP 4x slot

Product Description

The Intel Pentium III processor/840 Development Kit is an evaluation kit with hardware, software and supporting documentation designed for use in applied computing applications. Applied computing refers to market segments consisting of systems designed and marketed to be connected, high-performance, dedicated applications that enhance business information systems on the Internet/intranet. The development kit is based on the Intel Pentium III processor in a Flip-Chip Pin Grid Array (PGA370) package and the high performance Intel 840 chipset. The kit is designed to support both a 100 or 133 MHz processor system bus. The kit supports dual processing thus allowing customers to develop solutions requiring the highest levels of performance. The development kit consists of an evaluation board, technical collateral and demonstration software to enable simpler hardware designs and accelerate the product development time.

Software Overview

In order to provide customers with the greatest development environment, Intel worked with various software vendors to provide supporting evaluation software for the development kits. The software applications in the kit are demonstration copies provided free of charge by the vendors. The software is licensed for evaluation purposes only. Some applications are included in the kit while others may be downloaded from the respective vendors' web sites. Some of the features and documentation are available only when you purchase the full production product and may not be found in the demonstration copies contained in the kit. Software in the kit is subject to change without notice. Please contact the vendors directly for specific details pertaining to revision changes. Links to all of the software vendors supporting the kit will be available via the Intel Pentium III processor/840 Development Kit web site.

OS

Validated Operating Systems:

- Microsoft® Windows® NT Server versions 4.0 SP5*
- Microsoft Windows NT Terminal Server version 4.0 SP5*
- Novell® NetWare® versions 4.2 SP6*
- Novell NetWare versions 5.0 3a*
- Solaris® version 2.6*
- SCO UnixWare® version 7.1*
- Red Hat® Linux version 6.0*

Networking

Validated Network Topology Support:

- 10, 100, 1000 Mbps fast ethernet
- 16 MHz Token ring
- ATM (Asynchronous Transmission Mode)
- FDDI (Fiber Distributed Data Interface)

Evaluation Software

VenturCom's Embedded NT*

Development Kit Ordering Information

Product	Order Code	Availability
Intel® Pentium® III processor/840 Development Kit	EIAP3840DEVKIT	Now

Intel Access

Developer's Site	http://developer.intel.com/
Embedded Intel Architecture Home Page	http://developer.intel.com/design/intarch/
Other Intel Support: Intel Literature Center	http://developer.intel.com/design/litcentr/ (800) 548-4725 7 a.m. to 7 p.m. CST (U.S. and Canada) International locations please contact your local sales office.
General Information Hotline	(800) 628-8686 or (916) 356-3104 5 a.m. to 5 p.m. PST

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For more information, visit the Intel Web site at: developer.intel.com



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